

WHAT IS CLAIMED IS:

1. A communication control apparatus which is connectable to a communication terminal through a network, comprising:

5           a transmission information holding unit configured to hold transmission information to be transmitted to the communication terminal; and

          a transmission-right determination unit configured to determine that the transmission information is to be transmitted to the communication terminal with a  
10           transmission right being allocated thereto if the transmission information is held in the transmission information holding unit.

          2. The communication control apparatus according to claim 1, wherein the transmission-right  
15           determination unit determines that the transmission right is to be transmitted to the communication terminal if the transmission information is not held in the transmission information holding unit.

20           3. A communication control apparatus which is connectable to a communication terminal through a network, comprising:

          a transmission information holding unit configured to hold transmission information to be transmitted to  
25           the communication terminal;

          an identification information storage unit configured to store identification information

indicative of the communication terminal which desires acquisition of a transmission right; and

5 a transmission-right determination unit configured to determine that the transmission information is to be transmitted to the communication terminal with the transmission right being allocated thereto if the identification information is stored in the identification information storage unit.

10 4. The communication control apparatus according to claim 3, wherein the transmission-right determination unit determines that the transmission right is to be transmitted to the communication terminal transmitting the identification information if the transmission information is not held in the transmission information holding unit.

5. A communication control apparatus which is connectable to a communication terminal through a network, comprising:

20 a transmission information holding unit configured to hold transmission information to be transmitted to the communication terminal, a priority level being specified to the transmission information;

25 an identification information storage unit configured to store identification information indicative of the communication terminal which desires acquisition of a transmission right; and

a transmission-right determination unit configured

to determine that the transmission information is to be transmitted to a communication terminal with the transmission right being allocated thereto if the transmission information with a high priority is held  
5 in the transmission information holding unit.

6. The communication control apparatus according to claim 5, wherein the transmission-right determination unit determines whether identification information indicative of the communication terminal which desires acquisition of the transmission right is stored in  
10 the identification information storage unit if the transmission information with the high priority is not held, and determine that the transmission right is to be transmitted to the communication terminal if the  
15 identification information is stored.

7. The communication control apparatus according to claim 5, wherein the transmission-right determination unit determines that the transmission information is to be transmitted to the communication terminal  
20 without allocating the transmission right thereto if the identification information indicative of the communication terminal which desires acquisition of the transmission right is not stored in the identification information storage unit.

25 8. The communication control apparatus according to claim 5, further comprising an information request unit configured to request the communication terminal

of the transmission information to transmit information  
indicating that acquisition of the transmission right  
is desired, if the communication terminal does not  
indicate that acquisition of the transmission  
5 information is desired in the identification  
information storage unit.

9. A communication control method for a  
communication control apparatus which is connectable to  
a communication terminal through a network, comprising:  
10 causing the communication control apparatus to  
hold transmission information to be transmitted to the  
communication terminal; and

determining that the transmission information is  
to be transmitted to the communication terminal with a  
15 transmission right being allocated thereto if the  
transmission information is held in the communication  
control apparatus.

10. The communication control method according to  
claim 9, further comprising:

20 determining that the transmission right is to be  
transmitted to the communication terminal if the  
transmission information is not held in the communi-  
cation control apparatus.

11. A communication control method for a communi-  
25 cation control apparatus which is connectable to a  
communication terminal through a network, comprising:  
causing the communication control apparatus to

hold transmission information to be transmitted to the communication terminal, and to store identification information indicative of the communication terminal which desires acquisition of a transmission right; and

5           determining that the transmission information is to be transmitted to the communication terminal with the transmission right being allocated thereto if acquisition of the transmission right is desired.

12. The communication control method according to  
10 claim 11, further comprising:

          determining that the transmission right is to be transmitted to the communication terminal transmitting the identification information if the transmission information is not held in the communication control  
15 apparatus.

13. A communication control method for a communication control apparatus which is connectable to a communication terminal through a network, comprising:

          causing the communication control apparatus to  
20 hold transmission information to be transmitted to the communication terminal, a priority level being specified to the transmission information, and to store identification information indicative of the communication terminal which desires acquisition of a  
25 transmission right; and

          determining that the transmission information is to be transmitted to a communication terminal with a

transmission right being allocated thereto if the transmission information with a high priority is held in the communication control apparatus.

14. The communication control method according to claim 13, further comprising:

determining whether identification information indicative of the communication terminal which desires acquisition of the transmission right is stored in the communication control apparatus if the transmission information with the high priority is not held, and determine that the transmission right is to be transmitted to the communication terminal if the identification information is stored.

15. The communication control method according to claim 13, further comprising:

determining that the transmission information is to be transmitted to the communication terminal without allocating the transmission right thereto if there is no communication terminal which desires acquisition of the transmission right.

16. The communication control method according to claim 13, further comprising:

requesting the communication terminal of the transmission information to transmit information indicating that acquisition of the transmission right is desired, if the communication terminal does not indicate that acquisition of the transmission

information is desired.

17. A communication system to which a communication terminal and a communication control apparatus are connected through a network,

5 the communication control apparatus comprising:

a transmission information holding unit configured to hold transmission information to be transmitted to the communication terminal; and

10 a transmission-right determination unit configured to determine that the transmission information is to be transmitted to the communication terminal with a transmission right being allocated thereto if the transmission information is held in the transmission information holding unit,

15 the communication terminal comprising:

a communication control unit configured to recognize the transmission right transmitted from the communication control apparatus and control to transmit information to the communication control apparatus  
20 based on the transmission right.